Challenge
• To provide a reliable, high speed internet connection as an alternative option to optical fibre;
• To provide business users with a high-quality Internet service across an overcrowded 5GHz spectrum and a 35km link.

Solution
• Wireless platform based on InfiNet Wireless' high performance Point-to-Multipoint family of solutions;
• Solution based on InfiNet Wireless' InfiLINK 2x2 System.

Kapulan Provides Wireless Internet Solutions for Businesses across Hungary Using InfiNet Wireless Products

Kapulan Kft is an Internet service provider that has been operating in the Győr-Moson-Sopron county of Hungary since 2013. Its network covers more than 100 settlements including four large cities, i.e. Sopron, Fertőszentmiklós, Kapuvár and Csorna and provides solutions for both public and business Internet services in the region.

Digitop Kft, an IT solution provider which offers cloud based server solutions, uses Kapulan's internet service as a backup for optical fiber, which is largely unavailable in the Sopron region. Its customers mostly use cable TV and DSL connections which are not sufficient for their requirements, therefore they need a fast and reliable internet connection to access the cloud based services. Digitop had previously worked with other Wireless Internet Service Providers (WISPs), but they had not been able to solve the connectivity problems, with customers experiencing low throughput and unreliable connectivity. Additionally, it wasn't possible to add technological improvements on the existing equipment and the other WISPs could not offer the technological developments Digitop were looking for.

Kapulan had been using Point-to-Multipoint technology for public internet access and required a solution that could also deliver a high quality connection for businesses in the overcrowded 5GHz spectrum. Kapulan conducted extensive product testing with two leading wireless equipment vendors. SinusNet, a distributor of InfiNet Wireless products in Hungary participated in the trial using the InfiMAN 2x2 system. The InfiNet solution achieved record results, with a real throughput as high as 280Mbps, along with QAM64 modulation on the same frequencies offered by competitor companies. Kapulan then realised that the equipment they were currently using did not deliver throughput, jitter and latency parameters sufficient enough to provide the leased line quality services it was looking for.

As a result, Kapulan chose the InfiNet Wireless solution. The base stations were deployed approximately 90m high on the TV Tower located next to Sopron, and now Digitop's clients enjoy high speed internet connectivity ranging from 3-4km away, with the longest connection effective from 9km. Kapulan now provides a competitive leased line service using the InfiMAN equipment, offering 25/25Mbps and 50/50Mbps leased lines with the latency of just 2-3ms. Digitop now provides a reliable internet connection for its clients and offers a scalable and dependable solution to future customers.

www.infinetwireless.com

Benefits

- Provided the client with a high bandwidth and low latency offering;
- Better data rates and higher bandwidth;
- It substantially rectified and improved connectivity issues and provided a future-proof connection with an assured level of high bandwidth and low latency;
- Gave the client a competitive edge over other ISP's.

Alászló Povázsai, from SinusNet – InfiNet Wireless' distributor in Hungary said: *"SinusNet has already successfully worked with Kapulan in the past to provide InfiNet Wireless solutions in the Sopron region. Kapulan approached InfiNet again when it needed a system to serve multiple business users cost effectively, even in a crowded 5GHz spectrum. It is now serving Digitop and its clients as well as many other businesses are using the same system. The pioneering InfiNet Wireless solution easily rectified and substantially improved all connectivity issues and now Digitop's clients have a constant level of throughput and is also able to provide a future-proof connection with an assured level of high bandwidth and low latency."*